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ONLINE ISSN : 1348-2246

PRINT ISSN : 0910-6340

**Analytical Sciences**

Vol. 26 (2010) , No. 5 p.625

[\[PDF \(362K\)\]](#) [\[References\]](#)**Weak Binding of *N*-Alkylpyridinium Ions to Nonionic Surfactant Micelles as Studied by Capillary Zone Electrophoresis**[Toshio TAKAYANAGI](#)<sup>1)</sup>, [Ayumi IKUTA](#)<sup>1)</sup> and [Shoji MOTOMIZU](#)<sup>1)</sup>*1) Department of Chemistry and Biochemistry, Graduate School of Natural Science and Technology, Okayama University***(Received January 29, 2010)****(Accepted March 30, 2010)**

The binding equilibrium of *N*-alkylpyridinium ions to nonionic surfactant micelles was investigated through the changes in the electrophoretic mobility of the alkylpyridinium ions in capillary zone electrophoresis. The binding constants thus determined increased with increasing molecular volume of the alkylpyridinium ions. However, the binding constants are small compared with the ones for the anionic alkylbenzenesulfonate and polynitrophenolate ions at the same molecular volume.

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To cite this article:

Toshio TAKAYANAGI, Ayumi IKUTA and Shoji MOTOMIZU, *Anal. Sci.*, Vol. 26, p.625, (2010) .

doi:10.2116/analsci.26.625

JOI JST.JSTAGE/analsci/26.625



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